

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which claims 11-13, 26-28, 40-42, and 54-56 are canceled without prejudice or disclaimer, and claims 1, 15, 30 and 44 are currently amended.

1. (currently amended) A method for routing information in a communication system that includes a platform and a spoofing apparatus configured to perform a plurality of performance enhancing functions over connections established within the communication system, the method comprising:

receiving the information from the platform;

receiving one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection, wherein the spoofing apparatus maintains a profile that contains the spoofing selection parameter and the spoofing parameters, the profile including a maximum segment size; and

compensating for maximum segment size mismatch between the selected connection and a connection to an end host by dynamically resizing, based on the profile, data segments which comprise the information before forwarding the data segments to the end host; and

routing the information in accordance with the profile.

2. (original) The method of claim 1, further comprising:
determining a path that the information takes to reach its destination based on the profile.

3. (original) The method of claim 2, further comprising:
determining the path by applying spoofing rules.

4. (original) The method of claim 2, wherein the path is determined based on connection control blocks.

5. (original) The method of claim 4, wherein connection control blocks are allocated using a hash function.

6. (original) The method of claim 4, wherein connection control blocks are allocated using a mapping table.

7. (original) The method of claim 3, wherein the spoofing rules are mapped to the profile.

8. (original) The method of claim 1, further comprising:
receiving the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

9. (original) The method of claim 1, further comprising:
receiving at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

10. (original) The method of claim 1, further comprising:
applying multiple spoofing rules using boolean operators.

11. (canceled) ~~The method of claim 1, further comprising:
compensating for maximum segment size mismatches.~~

12. (canceled) ~~The method of claim 11, wherein said compensating includes dynamically
resizing data segments which comprise the information before forwarding the data segments.~~

13. (canceled) ~~The method of claim 11, wherein the profile further includes a maximum segment
size.~~

14. (original) The method of claim 11, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

15. (currently amended) A communication system comprising:
a platform configured to provide performance enhancing functions over connections established within the communication system, the platform supplying information and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection; and

a spoofing apparatus communicating with the platform, the spoofing apparatus being configured to receive the information and the spoofing selection parameter and the spoofing parameters from the platform, wherein the spoofing apparatus has a profile that specifies spoofing selection parameter and the spoofing parameters, wherein the communication system is configured to ~~route~~ route the information in accordance with the profile, the profile including a maximum segment size.

wherein maximum segment size mismatch between the selected connection and a connection to an end host is compensated by dynamically resizing, based on the profile, data segments which comprise the information before forwarding the data segments to the end host.

16. (original) The communication system of claim 15, wherein the spoofing apparatus determines a path that the information takes to reach its destination.

17. (original) The communication system of claim 16, wherein the spoofing apparatus determines the path by applying spoofing rules.

18. (original) The communication system of claim 16, wherein the path is determined based on connection control blocks.

19. (original) The communication system of claim 18, wherein connection control blocks are allocated using a hash function.

20. (canceled)

21. (original) The communication system of claim 18, wherein connection control blocks are allocated using a mapping table.

22. (original) The communication system of claim 17, wherein the spoofing rules are mapped to the profile.

23. (original) The communication system of claim 15, wherein the spoofing apparatus receives the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

24. (original) The communication system of claim 15, wherein the spoofing apparatus receives at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

25. (original) The communication system of claim 15, wherein the spoofing apparatus can apply multiple spoofing rules, combined using boolean operators.

26. (canceled) ~~The communication system of claim 15, further comprising:
compensating for maximum segment size mismatches.~~

27. (canceled) ~~The communication system of claim 26, wherein said compensating includes
dynamically resizing data segments which comprise the information before forwarding the data segments.~~

28. (canceled) ~~The communication system of claim 26, wherein the profile further includes a maximum segment size.~~

29. (original) The communication system of claim 26, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

30. (currently amended) A spoofing apparatus for routing information in a communication system that includes a platform configured to perform a plurality of performance enhancing functions over connections established within the communication system, the apparatus comprising:

means for receiving the information and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection,

means for maintaining a profile containing the spoofing selection parameter and the spoofing parameters, the profile including a maximum segment size; and

means for compensating for maximum segment size mismatch between the selected connection and a connection to an end host by dynamically resizing, based on the profile, data segments which comprise the information before forwarding the data segments to the end host; and

means for routing the information in accordance with the profile.

31. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus determines a path that the information takes to reach its destination.

32. (original) The spoofing apparatus of claim 31, wherein the spoofing apparatus determines the path by applying spoofing rules.

33. (original) The spoofing apparatus of claim 31, wherein the path is determined based on connection control blocks.

34. (original) The spoofing apparatus of claim 33, wherein connection control blocks are allocated using a hash function.

35. (original) The spoofing apparatus of claim 33, wherein connection control blocks are allocated using a mapping table.

36. (original) The spoofing apparatus of claim 32, wherein the spoofing rules are mapped to the profile.

37. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus receives the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

38. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus receives at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

39. (original) The spoofing apparatus of claim 30, wherein the spoofing apparatus can apply multiple spoofing rules, combined using boolean operators.

40. (canceled) ~~The spoofing apparatus of claim 30, further comprising:
compensating for maximum segment size mismatches.~~

41. (canceled) ~~The spoofing apparatus of claim 40, wherein said compensating includes
dynamically resizing data segments which comprise the information before forwarding the data segments.~~

42. (canceled) ~~The spoofing apparatus of claim 40, wherein the profile further includes a
maximum segment size.~~

43. (original) The spoofing apparatus of claim 40, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

44. (currently amended) A computer-readable medium carrying one or more sequences of one or more instructions for routing information in a communication system that comprises a platform and a spoofing apparatus configured to perform a plurality of performance enhancing functions, the one or more sequences of one or more instructions comprising instructions which, when executed by one or more processors, cause the one or more processors to

receive the information from the platform and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection, wherein the spoofing apparatus maintains a profile that contains the spoofing selection parameter and the spoofing parameters; and to route the information in accordance with the profile, the profile including a maximum segment size; and

compensate for maximum segment size mismatch between the selected connection and a connection to an end host by dynamically resizing, based on the profile, data segments which comprise the information before forwarding the data segments to the end host.

45. (original) The computer-readable medium of claim 44, further comprising:
determining a path that the information takes to reach its destination based on the profile.

46. (original) The computer-readable medium of claim 45, further comprising:
determining the path by applying spoofing rules.

47. (original) The computer-readable medium of claim 45, wherein the path is determined based on connection control blocks.

48. (original) The computer-readable medium of claim 47, wherein connection control blocks are allocated using a hash function.

49. (original) The computer-readable medium of claim 47, wherein connection control blocks are allocated using a mapping table.

50. (original) The computer-readable medium of claim 46, wherein the spoofing rules are mapped to the profile.

51. (original) The computer-readable medium of claim 44, further comprising:
receiving the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

52. (original) The computer-readable medium of claim 44, further comprising:
receiving at least one of spoofing selection parameters and spoofing parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

53. (original) The computer-readable medium of claim 44, further comprising:
applying multiple spoofing rules using boolean operators.

54. (canceled) ~~The computer-readable medium of claim 44, further comprising:
compensating for maximum segment size mismatches.~~

55. (canceled) ~~The computer-readable medium of claim 54, wherein said compensating includes
dynamically resizing data segments which comprise the information before forwarding the data segments.~~

56. (canceled) ~~The computer-readable medium of claim 54, wherein the profile further includes a
maximum segment size.~~

57. (original) The computer-readable medium of claim 54, wherein the profile further includes a parameter for disabling three-way handshake spoofing.